



# Fairbanks North Star Borough Air Quality: 2020/2021 Overview

Presentation to:  
FAST Planning Technical Committee

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## Overview

- Implementation of the Air Quality State Implementation Plan (SIP)
- Status of 5<sup>0</sup>% Plan/Serious Plan Amendment
- Reasonable Further Progress Report
- Air Quality this past winter
- DEC/FNSB 1st Annual AQ Report



## Implementation of the SIP

- Serious SIP introduced requirements; most went into effect on January 8, 2020.
- DEC and FNSB Air Quality have been working to implement all the control measures.
- The Serious SIP's contingency measure was triggered on October 2, 2020 because the area failed to attain the standard by 12/31/2019.
- EPA recently proposed to accept portions of the Serious SIP, comment has period closed.



## Status of 5<sup>0</sup> Plan/Serious SIP Amendment

- DEC met the statutory deadline – submitted amendment to EPA prior to December 31, 2020 deadline.
- EPA is reviewing the SIP Amendment



# Reasonable Further Progress (RFP) & Quantitative Milestone (QM) Report

## RFP and QM Analysis Years

2017, 2020, 2023, 2026

- The RFP & QM Report is a technical document required every three years by the Clean Air Act
- Report must show progress and meet milestone goals
- Report is based on actual emissions from sources compared to estimated reductions from the SIP emission inventory
- Does not reflect monitored values at the air monitoring sites
- DEC submitted report to EPA prior to the March 31, 2021 deadline
- 2020 report does document that the area has met its RFP and QM requirements
- DEC will be posting the 2017 and 2020 RFP reports on its website soon



## DEC/FNSB 1st Annual AQ Report

- Pleased to announce that DEC/FNSB will soon post the 1st Annual Air Quality Implementation Report at the same time as the RFP.
- Some data is presented by calendar year, and other data presented by winter season – November through March 31.
- Focuses on the air quality improvement efforts that have been going on in the area. This includes number of alerts called, letters sent, waivers issued, etc.
- Report also includes other air quality improvement projects underway or up-coming, including FAST Planning Projects and TAG.
- Intent is to publish this annual report by April 15 every year.
- The link to the web page where the report may be found is: <https://dec.alaska.gov/air/anpms/communities/fbks-particulate-matter/>



## Air Quality this past winter

- Preliminary Data – 2020 monitoring data is formally certified and submitted to EPA on May 1st.

| YEAR   | 2012     | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|--|----------|------|------|------|------|------|------|------|------|
|  | (Prelim) |      |      |      |      |      |      |      |      |
| State Office Building 98th %tile (site discontinued in 2019) | 49.6     | 36.3 | 34.5 | 35.3 | 39.7 | 38   | 27   | 27.7 | N/A  |
| State Office Building Design Value                           | 46       | 41   | 40   | 35   | 37   | 38   | 35   | 31   | --   |
| NCore 98th %tile   | 50       | 36.2 | 31.6 | 36.7 | 30.3 | 34.4 | 25.3 | 27.7 | 26.6 |
| NCore Design Value   | 45       | 40   | 39   | 35   | 33   | 34   | 30   | 29   | 27   |
| A Street 98th %tile  |          |      |      |      |      |      |      | 34.1 | 36.1 |
| A Street Design Value  |          |      |      |      |      |      |      |      |      |
| Hurst Road 98th %tile  | 158      | 122  | 139  | 112  | 66.8 | 75.5 | 52.8 | 65   | 71.4 |
| -Hurst Road Design Value                                     |          |      | 139  | 124  | 106  | 85   | 65   | 64   | 63   |



Questions?